

Title (en)
DISPLAY APPARATUS WITH A CHANGEABLE CURVATURE AND CONTROLLING METHOD THEREOF

Title (de)
ANZEIGEVORRICHTUNG MIT VERÄNDERBARER KRÜMMUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
APPAREIL D'AFFICHAGE A LA COURBURE MODIFIABLE ET PROCÉDÉ DE COMMANDE DE CELUI-CI

Publication
EP 2940679 A1 20151104 (EN)

Application
EP 15165788 A 20150429

Priority
KR 20140053439 A 20140502

Abstract (en)
A display apparatus is provided. The display apparatus includes: a detector (110) configured to detect one or more user viewing positions; a display (130) configured to have a changeable curvature; and a controller (120) receiving information of the one or more user viewing positions from the detector (s1510), the controller configured to determine deviations between right-side viewing angles and left-side viewing angles at each of the one or more detected user viewing positions for a first curvature and a second curvature of the display (s1520); and the controller configured to set the changeable curvature of the display to one of the first and second curvatures based on the deviation determinations between the right-side viewing angle and the left-side viewing angle (s1530).

IPC 8 full level
G09G 3/00 (2006.01)

CPC (source: EP KR US)
G06F 3/01 (2013.01 - KR); **G09G 3/003** (2013.01 - EP US); **G09G 3/03** (2020.08 - EP US); **G09G 5/14** (2013.01 - US);
H04N 21/422 (2013.01 - KR); **G09G 2300/04** (2013.01 - US); **G09G 2320/0261** (2013.01 - EP US); **G09G 2320/028** (2013.01 - EP US);
G09G 2320/068 (2013.01 - EP US); **G09G 2354/00** (2013.01 - EP US)

Citation (search report)
• [IA] US 2012075166 A1 20120329 - MARTI STEFAN [US], et al
• [A] US 2013266771 A1 20131010 - KUSANO SUSUMU [JP], et al
• [I] EP 2674807 A1 20131218 - SAMSUNG DISPLAY CO LTD [KR]
• [A] US 2013207946 A1 20130815 - KIM TAEGUNG [KR], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2940679 A1 20151104; CN 105045378 A 20151111; CN 105045378 B 20181214; KR 101658629 B1 20160922;
KR 20150126172 A 20151111; US 2015317949 A1 20151105; US 9640145 B2 20170502; WO 2015167217 A1 20151105

DOCDB simple family (application)
EP 15165788 A 20150429; CN 201510218694 A 20150430; KR 20140053439 A 20140502; KR 2015004244 W 20150428;
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